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Peter Ramanauskas
U.S. EPA Region 5
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ENVIRONMENT

Subject:
GE Aviation – Altitude Test Facility
Data Summary of Fifth Air Sampling Event – January 2014

Date:
January 29, 2014

Dear Mr. Ramanauskas:

On January 8, 2014, GE Aviation, an operating division of the General Electric Company (GE), performed air testing activities at the Altitude Test Facility (ATF) at GE's facility in Evendale, Ohio, in accordance with GE's *PCB Indoor Ambient Air Monitoring Plan During Short-Term Engine Testing Plan* (Air Monitoring Plan), submitted to EPA on January 8, 2013, and *GE Aviation Short-Term Section 761.62(c) Submission* on December 19, 2013. On January 16, 2014 EPA agreed to amend its December 19, 2013 approval, granting an extension to the Short Term Approval, permitting GE additional jet engine testing between January 1 and April 30, 2014. In accordance with this approval, GE conducted an air sample event prior to commencing jet engine testing at the ATF. On January 23, 2014, GE received the laboratory report containing the analytical results from the air samples taken on January 8, 2014.

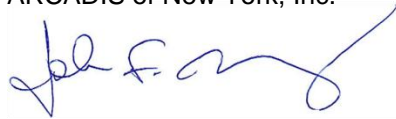
Air test sample ATF-AR-C44-03, located adjacent to the #44 Test Cell Chamber of the ATF, and air test sample ATF-AR-CR2-05, located on the second floor of the compressor room, were both taken over an 8-hour interval. The samples were collected on January 8, 2014, prior to GE resuming engine testing at the ATF in accordance with the Interim Operational Conditions agreed upon. Both air pumps were placed in a manner such that the air sample would be collected from the breathing zone. Calibration and preparation of air samples followed Method T0-10A: Compendium of Methods for Toxic Organic Air Pollution. The laboratory analytical results of the sampling event are provided in the Data Summary Table, attached as Table 1 and the sampling locations are provided on the attached Figure 1. As

indicated in the attachments, sample ATF-AR-C44-03 (collected adjacent to Test Cell #44) had non-detected (ND) PCBs, and sample ATF-AR-CR2-05 (collected from the ATF compressor room) had non-detected (ND) PCBs.

Please do not hesitate to contact John Rumpf, Counsel for Environmental Affairs at GE Aviation, at (513) 243-4256 or Christopher Bell at Greenberg Traurig LLP at (713) 374-3556 if you have any questions.

Sincerely,

ARCADIS of New York, Inc.

A handwritten signature in blue ink, appearing to read "John F. Novotny", is written over a light blue rectangular background.

John F. Novotny, PE
Senior Engineer

Attachments

Table 1

Figure 1

Copies:

Susan Perdomo, GE

John Rumpf, GE

Christopher Bell, Greenberg Traurig, LLP

Table 1
Data Summary - PCB Air Monitoring - January 2014

GE - Aviation - Altitude Test Facility
Cincinnati, Ohio

Sampling ID	Date Collected	Sample Type	Total PCBs (ng/m ³)	Location Description
Event 4				
ATF-AR-C44-03	1/8/2014	Air	ND	Test Cell 44 open floor area
ATF-AR-CR2-05	1/8/2014	Air	ND	Second floor of ATF Compressor Room

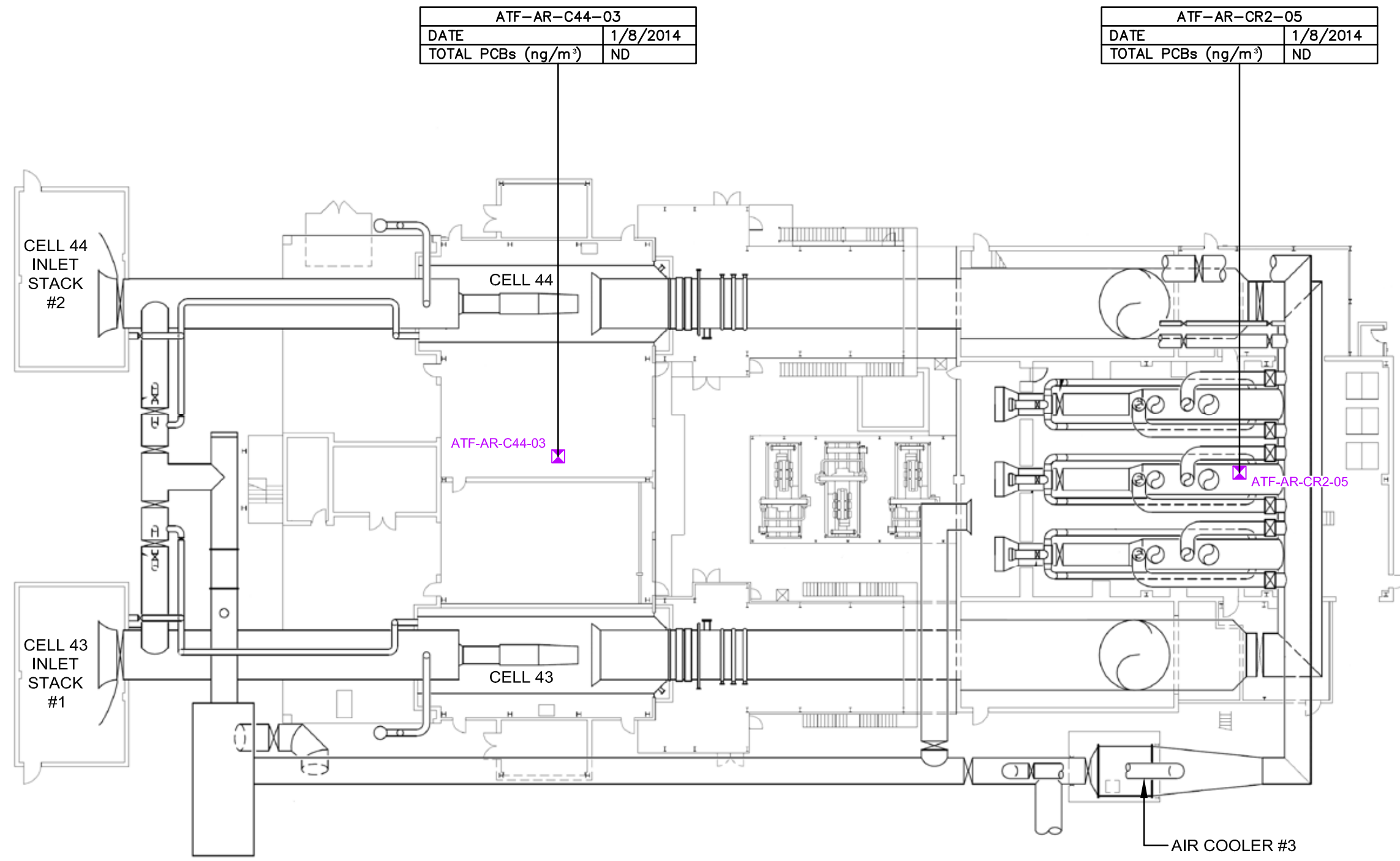
Notes:

1. Samples collected by ARCADIS personnel and submitted to Pace Analytical Laboratory for analysis using USEPA Compendium Method TO-10A procedures.
2. Air pumps were set up at breathing zone height and operated over an 8-hour interval at an air intake rate of approximately 5 L/min, resulting in approximately 2,400 L of air pulled through the puff for each sample.
3. Event 5 took place at the ATF on January 8, 2014.

Abbreviations:

ATF - Altitude Test Facility
AR - PCB air sample
C44 - Test Cell #44
CR2 - compressor room-second floor
PCBs - polychlorinated biphenyls
ng/m³ - nanograms per cubic meter

CITY: SYRACUSE, NY DIV: GROUP: ENVCAD DB: LPOSENAUER LD: (Opt) PIC: (Opt) PM: CAVERILL TM: (Opt) LVR: (Opt) ON: OFF=REF*
VA: ENVCAD/SYRACUSE/ACTIN/0003/335/2013/00002/DWG/ATSR/03/335C01.dwg LAYOUT: 1 SAVER: 1/24/2014 9:38 AM ACADVER: 18.1S (LMS TECH) PAGES: 1 PLOT: PLT FULL COTB PLOTTED: 1/24/2014 9:36 AM BY: POSENAUER, USA
XREFS: IMAGES: 31335X00 31335X01.png



LEGEND:
✧ AMBIENT PCB AIR MONITORING LOCATION

SAMPLING NOMENCLATURE:
ATF – ALTITUDE TEST FACILITY
AR – PCB AIR SAMPLE
C44 – TEST CELL #44
CR2 – COMPRESSOR ROOM SECOND FLOOR

NOTES:
1. SAMPLING LOCATIONS ARE APPROXIMATE.
2. ng/m³ – NANOGRAMS PER CUBIC METER

NOT TO SCALE

GE-AVIATION
CINCINNATI, OHIO
AIR TEST SUMMARY REPORT

**DATA SUMMARY - PCB RESULTS
AMBIENT PCB AIR MONITORING**

FIGURE
1